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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A filtration system for filtering water comprising at least one chamber, said chamber comprising:

a. a water inlet defining a proximal end of the chamber:

b. a water outlet defining a distal end of the chamber:

c, means for water distribution within the chamber;

d. filtration medium for filtering water passing through the chamber;

e, at least one braker grid for preventing water channeling within the chamber, wherein

said braker grid is positioned substantially distally to said means for water distribution, and

by altering the water level within said chamber from a level substantially distal to said at least one braker grid in a substantially proximal direction, said filtration medium is forced through the braker grid, and wherein by lowering the water level within said chamber, said

filtration medium is forced through said at least one braker grid.

2. (Cancelled)

3. (Original) The filtration system according to claim 1, wherein said filtration medium is

comprised of particles which are buoyant in water.

4. (Original) The filtration system according to claim 3, wherein said particles are

comprised of substantially spherical microbeads.

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5. (Previously Presented) The filtration system according claim 1, wherein said braker

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grid is comprised of a substantially rigid structure, said structure comprising means for impeded

movement of said filtration medium through the structure.

6. (Original) The filtration system according to claim 5, wherein said braker grid

comprises a collection of openings for allowing impeded passage of said filtration medium

through the braker grid.

7. (Original) The filtration system according to claims 6, wherein said braker grid

comprises a perforated plate comprising a collection of substantially spherical holes.

8. (Original) The filtration system according to claim 6, wherein said braker grid is

comprised of a grid comprising substantially rigid elongated rods.

9. (Previously Presented) The filtration system according to claim 6, wherein said

openings have an average width in the range of about 1-100 mm.

10. (Previously Presented) The filtration system according to claim 1, wherein said means

for water distribution comprise a perforated plate, said plate being positioned proximally to said

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braker grid.

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11. (Original) The filtration system according to claim 10, wherein said perforated plate

is attached to said chamber such that the flow of water distributed within said chamber is limited

to the flow of water through said perforated plate.

12. (Previously Presented) The filtration system according to claim 1, wherein said means

for water distribution comprise a plurality of nozzles.

13. (Previously Presented) The filtration system according to claim 1, wherein hydraulic

loading is in the range of about 5 - 100 l/sem2.

14. (Currently Amended) The filtration system according to claim 1, wherein the

hydraulic loading area is in the range of about 0.5-10 m².

15. (Previously Presented) The filtration system according to claim 1, wherein said

filtration system contains at least two chambers, and wherein

• fluid flow into a first chamber is greater than fluid flow from said first chamber until the

fluid level in said chamber has reached a predetermined upper limit;

• fluid flow from a second chamber is greater than fluid flow into said second chamber

until the fluid level in said chamber has reached a predetermined lower limit;

wherein

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fluid flow into and from said first and said second chamber is adjusted so as to achieve a
decrease in fluid level in a chamber having reached its upper fluid level and an increase

in fluid level in a chamber having reached its lower fluid level;

and wherein

 fluid flow into and from additional chambers is alternately greater to and from said additional chambers, such that fluid flow into said filtration system is substantially equal

16. (Original) A method of purifying water, comprising providing water from an aquaculture to a filtration system, said system comprising at least one chamber comprising

- a. a water inlet defining a proximal end of the chamber;
- b. a water outlet defining a distal end of the chamber:
- c. means for water distribution within the chamber;

to fluid flow from said filtration system.

- d. filtration medium for filtering water passing through the chamber;
- e. at least one braker grid for preventing water channeling within the chamber,

wherein said braker grid is positioned substantially distally to said means for water distribution, and wherein said at least one braker grid comprises means for allowing passage of said filtration medium through the braker grid, and wherein substantially purified water is collected from said at least one chamber outlets.

17. (Original) The method according to claim 16, wherein by altering the water level within said chamber from a level substantially distal to said at least one braker grid in a

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substantially proximal direction, said filtration medium is forced through the braker grid, and

wherein by lowering the water level within said chamber, said filtration medium is forced

through said at least one braker grid.

18. (Previously Presented) A water recirculation system for use in fish production

comprising:

a, at least one aquaculture tank;

b. means for supplying water from said at least one tank to a filtration system;

c. a filtration system as defined by claim 1

d. means for supplying water from said filtration system to said at least one aquaculture

tank.

19. (Currently Amended) The water recirculation system according to claim 18, further

comprising means for aeration of water, said means being located distally to said filtration

system and proximally to said fish raising at least one aquaculture tank.

20. (Currently Amended) The water recirculation system according to claims 18, further

comprising means for filtering solid particles from water, said means being located distally to

said fish raising at least one aquaculture tank and proximally to said filtration system.

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